

## ABSTRACT OF THE DISCLOSURE

With an introducing catheter (A) accommodated by a diagnostic-therapeutic catheter (B), the necessity of a sheath is eliminated to render the diagnostic-therapeutic catheter (B) as large as the sheath. This enables a manipulator to fully treat a patient with the use of diagnostic-therapeutic catheter (B). With the elimination of the sheath, the diagnostic-therapeutic catheter (B) is directly inserted into tubular human organs (e.g., radial artery and brachial artery). Coaxially provided are inner and outer tubes 12, 13 with the diagnostic-therapeutic catheter (B) to have an annular space 14, at least a part of which forms a drug-releasable open end 15 exposed to a shaft portion 11. The outer tube 13 has a plurality of drug-releasable side holes 9 to release an anti-spasmodic drug toward a blood vessel through the drug-releasable open end 15.